Atty. Dkt. No. 029029-0106

Rec'd PCT/PTO 13 FEB 2006 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arne SKERRA et al. 10/533299

Title:

SOLUBLE TRUNCATED POLYPEPTIDES OF THE NOGO-A PROTEIN, METHODS FOR THE PRODUCTION OF SUCH POLYPEPTIDES AND METHODS FOR IDENTIFYING COMPOUNDS HAVING DETECTABLE AFFINITY TO A NOGO-

A PROTEIN

Appl. No.:

10/533,299

Filing Date: 4/29/2005

Examiner:

Unassigned

Art Unit:

Unassigned

INFORMATION DISCLOSURE STATEMENT **UNDER 37 CFR §1.56**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language documents is described in the present specification. Documents B1, B2, B6, B7 and B11 are in English. English language abstracts are provided for documents B3 (which corresponds to B1), B4 (which corresponds to B2 and B10), B9 (which corresponds to B5) and B10 (which corresponds to B2 and B4). An English translation of each foreign-language document is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

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Respectfully submitted,

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Stephen B. Maebius Attorney for Applicant Registration No. 35,264

Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	Substitute fo	or form 1449B	/PTO	Complete if Known			
	INFORMATI	ON DISCLO	SURE	Application Number	10/533,299		
	STATEMEN	T BY APPLI	CANT	Filing Date	04/29/2005		
	D 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J. C. b	40.0000	First Named Inventor	Arne SKERRA et al.		
	Date Submitte	a: February	13, 2006	Group Art Unit	Unassigned		
	(use as many	sheets as ne	cessary)	Examiner Name	Unassigned		
Sheet	1	of	4	Attorney Docket Number	029029-0106		

				U.S. PATENT DOCUMENTS	3		
Examiner Initials*	Cite No. ¹	U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant	
		Number	Kind Code ² (if known)		Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
	B1	5,849,576		Skerra et al.	12/15/1998		

				FC	REIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No.1	Fore Office ³	Nilmher	iment ind Code ⁵ (<i>if known</i>)	Name of Assignee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B2	CA	2 378 871	A1	Scil Proteins GmbH	01/18/2001		
	В3	DE	44 17 598	A1	Max-Planck-Gesellschaft zur Förderung der Wissenschaften eV	12/14/1995		A
	B4	DE	199 32 688	A1	Fiedler, Ulrike, Dr.	01/18/2001		Α
	B5	DE	197 42 706	A1	Skerra, Arne, Prof. Dr.	04/15/1999		
	В6	EP	0 396 719	B1	Erziehungsdirektion of the Canton Zurich	07/05/1995		
	В7	wo	90/05191	A1	Erziehungsdirektion of the Canton Zurich	05/17/1990		
	B8	WO	96/23879	A1	Terrapin Technologies, Inc.	08/08/1996		
	B9	WO	99/16873	A1	Skerra, Arne	04/08/1999		_ A
	B10	wo	01/04144	A2	Fiedler, Ulrike	01/18/2001		A
	B11	WO	01/92655	A1	C-Power AB	12/06/2001		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	B12	BANDTLOW et al., "Oligodendrocytes Arrest Neurite Growth by Contact Inhibition", <u>J. Neurosci</u> ., Dec. 1990, pp. 3837-3848, Vol. 10, No. 12	
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Examiner Signature	Date Considered	

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	Substitute for	or form 1449l	В/РТО	Complete if Known		
	INFORMATI	ON DISCLO	OSURE	Application Number	10/533,299	
	STATEMEN	T BY APPL	ICANT	Filing Date	04/29/2005	
	D (0)'44		40.0000	First Named Inventor	Arne SKERRA et al.	
	Date Submitte	a: February	13, 2006	Group Art Unit	Unassigned	
	(use as many	sheets as n	ecessary)	Examiner Name	Unassigned	
Sheet	2	of	4	Attorney Docket Number	029029-0106	

		NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁸
	B16	CARONI et al., "Antibody against myelin-associated inhibitor of neurite growth neutralizes nonpermissive substrate properties of CNS white matter", <u>Neuron.</u> , pp. 85-96, Vol. 1, No. 1 [online], March 1988 [retrieved on 02.06.2005]. Retrieved from the Internet: 	
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	B19	FIEDLER et al., "Purification and Characterisation of His-Tagged Antibody Fragments", <u>Protocol</u> , Chapter 17, pp. 243-256	
	B20	FIEDLER et al., "Use of Thiophilic Adsorption Chromatography for the One-Step Purification of a Bacterially Produced Antibody Fab Fragment without the Need for an Affinity Tag", Protein Expression and Purification, 1999, pp. 421-427, Vol. 17, Article ID prep.1999.1142	
	B21	FLING et al., Peptide and protein molecular weight determination by electrophoresis using a high-molarity tris buffer system without urea, Anal Biochem, pp. 83-88, Vol. 155, No. 1 [online], May 15 1986 [retrieved on 03.06.2005]. Retrieved from the Internet: <url:http: entrez="" query.fcgi?cmd="retrieve&db=pubmed&list_uids" www.ncbi.nlm.nih.gov=""></url:http:>	A
***	B22	GILL et al., Calculation of protein extinction coefficients from amino acid sequence data, Anal. Biochem., pp. 319-26, Vol. 182, No. 2 [online] Nov. 1 1989 [retrieved on 02.06.2005]. Retrieved from the Internet: "> <a <u="" and="" astroglial="" href="https://www.ncbi.nlm.nih.gov/entrez/gue</td><td>Α</td></tr><tr><td></td><td>B23</td><td>HATTEN, M., " in="" morphology="" neuronal="" of="" proliferation="" regulation="" vitro",="">J. Cell Bio., Feb. 1985, pp. 384-396, Vol. 100, The Rockefeller University Press	
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	B25	HRYNIEWICZ-JANKOWSKA et al., "Ankyrins, multifunctional proteins involved in many cellular pathways", Folia Histochemica Et Cytobiologica, 2002, pp. 239-249, Vol. 40, No. 3	
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	INFORMAT	ION DISCLO	SURE	Application Number	10/533,299		
	STATEMEN	IT BY APPLI	CANT	Filing Date	04/29/2005		
	D - 4 - C - 1 14 -	d. Cabaras e	12 2000	First Named Inventor	Arne SKERRA et al.		
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Sheet	3	of	4	Attorney Docket Number	029029-0106		

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	B29	SCHIWECK et al., "Fermenter Production of an Artificial Fab Fragment, Rationally Designed for the Antigen Cystatin, and Its Optimized Crystallization Through Constant Domain Shuffling", Proteins: Structure, Function, and Genetics, 1995, pp. 561-565, Vol. 23	
	B30	SCHLAPSCHY et al., "Purification and Analysis of <i>Strep</i> -Tagged Antibody-Fragments", <u>Protocol</u> , Chapter 22, pp. 292-306	
	B31	SCHLEHUBER et al., "A Novel Type of Receptor Protein, Based on the Lipocalin Scaffold, with Specificity for Digoxigenin", <u>J. Mol. Biol.</u> , 2000, pp. 1105-1120, Vol. 297	
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	B36	SKERRA, A., "A general vector, pASK84, for cloning, bacterial production, and single-step purification of antibody F _{ab} fragments", <u>Gene</u> , pp. 79-84, Vol. 141, Issue 1 [online] April 8, 1994 [retrieved on 07.06.2005]. Retrieved from the Internet: <url:http: science?_ob="ArticleURL&_udi=B6T39-47P8GM2-CS" www.sciencedirect.com=""></url:http:>	A
	B37	SKERRA, A., "Engineered protein scaffolds for molecular recognition", <u>J. Mole. Recognit.</u> , 2000, pp. 167-187, Vol. 13	
·	B38	SKERRA, A., "Use of the tetracycline promoter for the tightly regulated production of a murine antibody fragment in <i>Escherichia coli</i> ", <u>Gene</u> , 1994, pp. 131-135, Vol. 151	
<u>-</u>	B39	SPILLMANN et al., "Identification and Characterization of a Bovine Neurite Growth Inhibitor (bNI-220)", <u>J. Biol. Chem.</u> , July 24 1998, pp. 19283-19293, Vol. 273, No. 30, USA	
Ÿ	B40	SUPPLEMENTARY MATERIAL: :"Materials and Methods", 2 pages; Figure 2, 2 pages; Inhibitor of neurite outgrowth in humans, Nature, January 2000, pp. 383-384, Vol. 403	
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	STATEMEN	T BY APPL	ICANT	Filing Date	04/29/2005	
	D-4- 0h:44-	d. Cabaran.	42 2006	First Named Inventor	Arne SKERRA et al.	_
	Date Submitte	d: February	13, 2006	Group Art Unit	Unassigned	
	(use as many	sheets as ne	cessary)	Examiner Name	Unassigned	
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	B42	VOGT et al., Bacterially produced apolipoprotein D binds progesterone and arachidonic acid, but not bilirubin or E-3M2H, J. Mol. Recognit., 2001, pp. 79-86, Vol. 14		
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	B45	Z'GRAGGEN et al., Functional Recovery and Enhanced Corticofugal Plasticity after Unilateral Pyramidal Tract Lesion and Blockade of Myelin-Associated Neurite Growth Inhibitors in Adult Rats, J. Neurosci., June 15, 1998, pp. 4744-4757, Vol. 18, No. 12		

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